

Mathematics HL - New Assessment Model May 2008

Points to consider when writing a mock examination

The new assessment from May 2008 has paper 1 – a non calculator paper and paper 2 – calculator required. Paper 3 is unchanged.

The two core papers (papers 1 and 2) will each consist of two sections – Section A and Section B. Section A will have short answer questions and will have a total of 60 marks (basically half of the previous paper 1); Section B will have longer response questions and will have a total of 60 marks (basically half of the previous paper 2). There is no set time for each section and candidates will not be prompted to move from one section to another, they have two hours to complete each paper.

Currently (2006 and 2007 sessions) both papers start with accessible questions moving on to more discriminating questions at the end of the paper. The new format combines the two types of questions (short and long answer) this means there will be some accessible questions in section A and in section B, and also some more discriminating questions in section A and in section B. Therefore questions at the end of section A will be at the level of the previous question 19 or 20 on paper 1 and section B will start with questions at the level of the previous question 1 or 2 on paper 2.

There is not a set number of questions in each section, although the constraints of the mark total and type of question mean that there will not be much variation. Section A must have a mark total of 60 coming from short answer questions, short answer questions will generally have approximately 6 marks, (could be 5, 7 or 8). Section B will have 60 marks coming from 3 or 4 longer response questions.

There follows the update front cover pages for each paper, and the revised internal rubrics.



**MATHEMATICS
HIGHER LEVEL
PAPER 1**

Date

Candidate session number

2 hours

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INSTRUCTIONS TO CANDIDATES

- Write your session number in the boxes above.
- Do not open this examination paper until instructed to do so.
- You are not permitted access to any calculator for this paper.
- Section A: answer all of Section A in the spaces provided.
- Section B: answer all of Section B on the answer sheets provided. Write your session number on each answer sheet, and attach them to this examination paper and your cover sheet using the tag provided.
- At the end of the examination, indicate the number of sheets used in the appropriate box on your cover sheet.
- Unless otherwise stated in the question, all numerical answers must be given exactly or correct to three significant figures.

Paper 1 Internal rubrics

Full marks are not necessarily awarded for a correct answer with no working. Answers must be supported by working and/or explanations. Where an answer is incorrect, some marks may be given for a correct method, provided this is shown by written working. You are therefore advised to show all working.

Section A

*Answer **all** the questions in the spaces provided. Working may be continued below the lines, if necessary.*

Section B

*Answer **all** the questions on the answer sheets provided. Please start each question on a new page.*

MATHEMATICS
HIGHER LEVEL
PAPER 2

Date

2 hours

Candidate session number

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INSTRUCTIONS TO CANDIDATES

- Write your session number in the boxes above.
- Do not open this examination paper until instructed to do so.
- A graphic display calculator is required for this paper.
- Section A: answer all of Section A in the spaces provided.
- Section B: answer all of Section B on the answer sheets provided. Write your session number on each answer sheet, and attach them to this examination paper and your cover sheet using the tag provided.
- At the end of the examination, indicate the number of sheets used in the appropriate box on your cover sheet.
- Unless otherwise stated in the question, all numerical answers must be given exactly or correct to three significant figures.

Paper 2 Internal rubrics

Full marks are not necessarily awarded for a correct answer with no working. Answers must be supported by working and/or explanations. In particular, solutions found from a graphic display calculator should be supported by suitable working, e.g. if graphs are used to find a solution, you should sketch these as part of your answer. Where an answer is incorrect, some marks may be given for a correct method, provided this is shown by written working. You are therefore advised to show all working.

Section A

*Answer **all** the questions in the spaces provided. Working may be continued below the lines, if necessary.*

Section B

*Answer **all** the questions on the answer sheets provided. Please start each question on a new page.*